

FIRST INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Complete if Known

Application Number	10/801,662
Filing Date	March 17, 2004
First Named Inventor	Atsuhiko OHKAWA et al.
Examiner Name	Unassigned
Attorney Docket Number	019519-420

U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)

FOREIGN PATENT DOCUMENTS

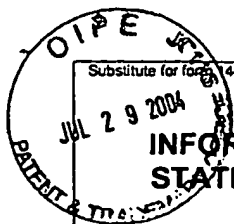
Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	STATUS						
					Translation	Partial Translation	Eng. Lang. Summary	Eng. Search Report	Eng. IPR	Abstract	Cited in Spec
<i>h</i>	2001-166147	A	Japan	06-22-2001						X	X
<i>h</i>	8-327822	A	Japan	12-13-1996						X	X

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>h</i>	SANJAY K. VARSHNEY ET AL., "Novel Liquid-Crystalline Mercury Acetylide Complexes", Mol. Cryst. Liq. Cryst., 2001, pgs. 55-65, Vol. 357, Overseas Publishers Association N.V., Malaysia
<i>h</i>	SANDEEP KUMAR ET AL., "Design and Synthesis of Discotic Nematic Liquid Crystals", Organic Letters, 2002, pgs. 157-159, Vol.4, No. 2, American Chemical Society
<i>h</i>	SANDEEP KUMAR ET AL., "Novel Hexasubstituted Triphenylene Discotic Liquid Crystals Having Three Different Types of Peripheral Substituent", Liquid Crystals, 2002, pgs. 899-906, Vol. 29, No. 7, Taylor & Francis Ltd.

Examiner Signature	<i>[Signature]</i>	Date Considered	5/4/06
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with M.P.E.P. § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.



Substitute for forms 1449A/PTO & 1449B/PTO

**SECOND
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet 1 of 1

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U.S. PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Issue/Publication Date (MM-DD-YYYY)
<i>mm</i>	5,883,685	A	Hitoshi Mazaki et al.	03-16-1999
<i>mm</i>	6,245,398	B1	Koushin Matsuoka et al.	06-12-2001
<i>mm</i>	6,461,694	B1	Hideyuki Nishikawa et al.	10-08-2002

FOREIGN PATENT DOCUMENTS

Examiner Initials	Document Number	Kind Code (if known)	Country	Date of Publication (MM-DD-YYYY)	Translation	
					Yes	No
<i>mm</i>	0,847,228	A2	EPO	06-10-1998		
<i>mm</i>	2003-109,765	A	Japan (with English abstract)	04-11-2003		
<i>mm</i>	44 22 332	A1	Germany (with English abstract)	01-04-1996		
<i>mm</i>	96/00208	A1	WIPO (English abstract only)	01-04-1996		

NON-PATENT LITERATURE DOCUMENTS

Examiner Initials	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
<i>mm</i>	EPO Search Report dated June 25, 2004 in EP Application No. 04006363.8-2103
<i>mm</i>	Vladimir V. TSUKRUK et al, "Discotic Twin and Triple Molecules with Charge-Transfer Interactions in Langmuir-Blodgett Films," Langmuir, Vol. 12, 1996, pp. 754-757, American Chemical Society (XP-001181956)
<i>mm</i>	M. MANICKAM et al., "Introduction of bis-discotic and bis-calamitic mesogenic addends to C ₆₀ ," Liquid Crystals, Vol. 29, No. 4, 2002, pp. 497-504, Taylor and Francis Ltd. (XP-001082966)
<i>mm</i>	W. KREUDER et al., "The 'Wheel of Mainz' as a Liquid Crystal?-Structural Variation and Mesophase Properties of Trimeric Discotic Compounds," Angew. Chem. Int. Ed. Engl., Vol. 26, No. 12, 1987, pp. 1249-1252, Verlagsgesellschaft mbH (XP-002070552)

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